

## **AGS MAINTENANCE/MODIFICATIONS/REPAIRS**

### **RESULTS**

#### **OF**

**AUGUST 26, 1998 to September 2, 1998 SHUTDOWN**

R. Zaharatos - September 1, 1998

### **SHUTDOWN SCHEDULE**

This shutdown period jobs schedule was initiated by a ground fault in the Booster F6 Septum Magnet and the subsequent estimate of several days to replace the septum with the spare. An additional failure involving a water leak of the V1Q1 Magnet for FEB resulted in a schedule change back to HEP for SEB. Therefore, in addition to utilizing this period for other repairs and maintenance, additional jobs were scheduled to prepare for SEB.

### **PRIMARY JOBS**

**C Complete**

**IP In-process**

**CAN Canceled**

**RS Reschedule**

### **AGS RING SYSTEMS**

- C 1. Backflush F5 Septum and F10 Ejector.
- C 2. Inspect Siemen's Generator welds.
- C 3. Repair F5 Flag drive.
- C 4. Install new F10 Flag camera and cables.
- C 5. Repair G20 Wall Monitor.
- C 6. Restore Switchyard vacuum between 002 and 039 valves.
- C 7. Clear short at I20 RF cavity d/s marmon clamp.
- C 8. Replace DE RF feedback amp..

### **BOOSTER RING SYSTEMS**

- C 1. Replace F6 Septum Magnet with spare.
- C 2. Repair BPM's
- C 3. Repair RLRM beam inhibit.

### **AGS COMPLEX**

- C 1. Clean Cooling Towers 2,3,4, and G-2.

**AGS MAINTENANCE, REPAIR AND MODIFICATION PROGRAM**

**JOBS SCHEDULING REQUEST**

**GROUP: Access Controls: D. Meany (Ext. 5329, [0361], A. McGeary (Ext. 2053 [0554])**

For Maintenance Period September 1, 1998 Shutdown

<b><u>JOB#</u></b>	<b><u>ACCESS TO</u></b>	<b><u>EST. HRS.</u></b>	<b><u>JOB DESCRIPTION AND RESPONSIBLE PERSON</u></b>	<b><u>ADD'L. SUPPORT</u></b>	<b><u>HP SURVEY</u></b>
C 1	Booster	4 hrs.	6 Months security check		
C 2	AGS Ring	4 hrs.	6 Months security check		
C 3	SEB SWYD	4 hrs.	6 Months security check		
C 4	C4 EXP	1 hr.	Chipmunk in place, check paddle		
C 5	C5 EXP	2 hrs.	Reinstall chipmunk, and rad paddle		
C 6	U D/S Gate	4 hrs.	Investigate U D/S Gate wiring fault		
C 7	AGS Fan Hse	1 hr.	Check B Fan House Chipmunk		
C 8	SEB SWYD	1 hr.	Look into problem with SWYD D/S Gate	Locksmiths	Yes

**AGS MAINTENANCE, REPAIR AND MODIFICATION PROGRAM**

**JOBS SCHEDULING REQUEST**

**GROUP: Beam Components: D. Lehn (Ext. 4542 [4376]), T. Russo (Ext. 7330 [4201])**

For Maintenance Period September 1, 1998 Shutdown

<b><u>JOB#</u></b>	<b><u>ACCESS TO</u></b>	<b><u>EST. HRS.</u></b>	<b><u>JOB DESCRIPTION AND RESPONSIBLE PERSON</u></b>	<b><u>ADD'L. SUPPORT</u></b>	<b><u>HP SURVEY</u></b>
C 1	AGS Ring	45 min.	Back flush F5 and F10		
C 2	Booster Ring	30 min.	Install Rad Hard Kiltons at F-6 (2) as per (R. Sanders)		
C 3	SW Yard	15 min.	Disable DF-146 Flag for repair at later date (Hock)		

**AGS MAINTENANCE, REPAIR AND MODIFICATION PROGRAM**  
**JOBS SCHEDULING REQUEST**

**GROUP: Instrumentation: T. Curcio (Ext. 4659 [4270], T. Russo (Ext. 7330 [4201])**

For Maintenance Period September 1, 1998

<u>JOB#</u>	<u>ACCESS</u> <u>TO</u>	<u>EST.</u> <u>HRS.</u>	<u>JOB DESCRIPTION AND</u> <u>RESPONSIBLE PERSON</u>	<u>ADD'L.</u> <u>SUPPORT</u>	<u>HP</u> <u>SURVEY</u>
C 1	AGS Ring	4 hrs.	F10 Video - Install new setup - Cables/mounts/light/setup	HP/Riggers	Maybe Necessary
C 2	AGS Ring	30 mn	Adjust or replace waterflow cameras at F5 & F10 as necessary		
C 3	Booster Ring		Support F Sector Bakeout - Repairs as necessary		
C 4	AGS Ring	10 mn	Remove and replace copper cubes for dosimetry test	HP	
C 5	Switchyard	10 hrs.	Repair/Adjust or replace as necessary the following cameras - AF124, DF146, CF223, AF238, AF171, BF328, BF387, DF215	HP	

**AGS MAINTENANCE, REPAIR AND MODIFICATION PROGRAM**

**JOBS SCHEDULING REQUEST**

**GROUP: Mechanical Services – J. DeBoer Ext. 4668 [4250], E. Dale Ext. 7943 [0124],  
B. Abel Ext. 5711 [7119]**

For Maintenance Period September 1, 1998 Shutdown

<b><u>JOB#</u></b>	<b><u>ACCESS TO</u></b>	<b><u>EST. HRS.</u></b>	<b><u>JOB DESCRIPTION AND RESPONSIBLE PERSON</u></b>	<b><u>ADD'L. SUPPORT</u></b>	<b><u>HP SURVEY</u></b>
C 1	Tower No.2	6 mhhrs.	Repair leaking pressure regulator.	None	
C 2	Tower No. 2	6 mhhrs.	Inspect and repair packing glands on #7 tower pump.	None	
C 3	G-2 Tower	14 mhhrs.	Drain and clean G-2 tower, strainers and flow transmitter lines.	None	
C 4	912W Target Area	8 mhhrs.	Replace measure flows and incorporate needle valves on special ejection drop lines.		
C 5	AGS Complex	56 mhhrs.	Drained and clean towers 2, 3 and 4.		
C 6	912	6 mhhrs.	C-line bag filter changed and DI's		

# AGS MAINTENANCE, REPAIR AND MODIFICATION PROGRAM

## JOBS SCHEDULING REQUEST

**GROUP: Power Supply: M. Bannon (Ext. 7704 [4224], I. Marneris (Ext. 7027 [4255])**

For Maintenance Period September 1, 1998 Shutdown

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C 1	Siemens A		Siemens - Generator welds inspection		
C	B		- Motor brush rigging clean and change work brushes.		
C	C		- Generator brush rigging clean and change worn brushes.		
C 2			Cleaning resistive bus joints on F10 Bus going into ring and alcove of the F10 house.		
C 3	F10 House		Changing sure flows on the F10 transistor banks and doing complete flow check of unit.		
C 4	Booster		Have line crew doing Booster MMPS circuit breaker planned maintenance (13.8kv C.B. House)		
C 5	AGS Ring		Need the F5 and F10 magnets in the ring backflushed by Beam Components Group.	Beam Components	
C 6	Booster		Inspected 13.8kv cables at Booster in Trans. yard.		
C 7	Booster		Removed 1 sextupole transistor chassis in Booster Vertical Sextupole so we have a sample so we can build 2 spares.		
C 8	F10 House		Removed in the F10 House old cables used for E5 Kicker P.S.		

**AGS MAINTENANCE, REPAIR AND MODIFICATION PROGRAM**

**JOBS SCHEDULING REQUEST**

**GROUP: Vacuum: S. Gill (Ext. 4627 [4164], M. Mapes (Ext. 2841 [4277])**

For Maintenance Period September 1, 1998 Shutdown

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RS 1	AGS	12	Replacement of H-20 Septum... lo/to, vent, remove septum, install new septum, survey, pump down and leak check, install new ion pump cables, test cables, restore vacuum.	HP, Beam Comp., Survey, Instrumentation, Water Group (?)	Survey Req'd
RS 2	AGS	12	Replacement of F-7 sextupole... lo/to, vent, remove magnet, install new magnet, survey, pump down & leak check, restore vacuum.	HP, Beam Comp., Survey, Water Group	Survey Req'd
C 3	AGS	3	Restore vacuum between 002 valve & 039 valve... pump down section between 002 s/v & ion chamber with portable turbo, open 002 s/v. Pump down section between ion chamber & 039 s/v, open 039 s/v.	HP	Survey Req'd
C 4	AGS	6	Clear short @ I-20 RF cavity d/s marmon...lo/to, vent, replace marmon clamp (or rebuild), pump down, leak check, restore vacuum.	HP, Alex Zaltsman	Survey Req'd